Annexure-IX

Supply	Flow
	MMSCMD
RIL Bhadbut New	15.893774
Petronet Supply	14.061013
ONGC Olpad	0.069

Deliveries	Flow
	MMSCMD
Cust 1	0.14
Cust 2	0.77
Cust 3	1.13
Cust 4	0
Cust 5	0
Cust 6	0.13
Cust 7	0.1
Cust 8	0.28
Cust 9	0.02
Cust 10	0.07
Cust 11	0.14
Cust 12	0.17
Cust 13	0.5
Cust 14	0.37
Cust 15	0.18
Cust 16	1.55
Cust 17	0.2
Cust 18	1
Cust 19	0
Cust 20	0.04
Cust 21	0.08
Cust 22	0.02
Cust 23	0.01
Cust 24	0.01
Cust 25	0.001
Cust 26	0.002
Cust 27	0.07
Cust 28	0.05
Cust 29	0.01
Cust 30	0.05
Cust 31	0.04
Cust 32	0.17
Cust 33	0.14
Cust 34	0
Cust 35	0.01
Cust 36	0.01
Cust 38	0.05
Cust 39	0.04
Cust 40	0.08
Cust 41	0
Cust 42	0
Cust 43	0.01
Cust 44	0.01

Cust 45	0.003
Cust 46	0.01
Cust 47	0.01
Cust 48	0.004
Cust 49	0.02
Cust 50	0.01
Cust 51	0.02
Cust 53	0.94
Cust 54	0.18
Cust 55	0.01
Cust 56	0.01
Cust 57	0.002
Cust 58	0.05
Cust 59	0.006
Cust 60	0.05
Cust 62	0.015
Cust 63	0.01
Cust 66	0
Cust 67	0.005
Cust 70	0.01
Cust 71	0.004
Cust 72	0.01
Cust 73	0.01
Cust 74	0.001
Cust 76	0.76
Cust 77	1.02
Cust 78	0
Cust 79	0.24
Cust 80	0.1
Cust 81	1.95
Cust 82	0.01
Cust 84	0.08
Cust 85	0.01
Cust 86	0.005
Cust 87	0.2
Cust 88	0.003
Cust 89	0.06
Cust 91	0.0015
Cust 92	0
Cust 93	0.45
Cust 94	0.09
Cust 95	0.03
Cust 96	0.22
Cust 97	0.02
Cust 98	0
Cust 99	0.04
Cust 100	0.01

Cust 101	0.025
Cust 103	0.02
Cust 104	0.01
Cust 105	0.02
Cust 106	0.07
Cust 107	0.04
Cust 108	0.005
Cust 109	0.004
Cust 111	0.55
Cust 112	0.01
Cust 113	0.01
Cust 114	0.0025
Cust 116	11.29
Cust 117	0.02
Cust 118	0.3
Cust 121	0.0001
Cust 122	0.02
Cust 123	0.02
Cust 124	0.01
Cust 125	3.25

Supply	Flow
	MMSCMD
RIL Bhadbut New	13.245294
Petronet Supply	13.194532
ONGC Olpad	0.069
GIGL Palanpur	3.6678897
	30.1767157

Deliveries	Flow
	MMSCMD
Cust 1	0.14
Cust 2	0.79
Cust 3	0.91
Cust 4	0
Cust 5	0
Cust 6	0.18
Cust 7	0.1
Cust 8	0.28
Cust 9	0.02
Cust 10	0.07
Cust 11	0.14
Cust 12	0.17
Cust 13	0.6
Cust 14	0.37
Cust 15	0.18
Cust 16	1.55
Cust 17	0.15
Cust 18	1
Cust 19	0
Cust 20	0.04
Cust 21	0.08
Cust 22	0.02
Cust 23	0.01
Cust 24	0.01
Cust 25	0.001
Cust 26	0.002
Cust 27	0.07
Cust 28	0.05
Cust 29	0.01
Cust 30	0.05
Cust 31	0.04
Cust 32	0.17
Cust 33	0.14
Cust 34	0
Cust 35	0.01
Cust 36	0.01
Cust 38	0.05
Cust 39	0.04
Cust 40	0.08
Cust 41	0
Cust 42	0
Cust 43	0.01
Cust 44	0.01
Cust 45	0.003
Cust 46	0.01
Cust 47	0.01
Cust 48	0.004
Cust 49	0.02
Cust 50	0.01

Cust 51	0.02
Cust 53	0.94
Cust 54	0.18
Cust 55	0.01
Cust 56	0.01
Cust 57	0.002
Cust 58	0.05
Cust 59	0.006
Cust 60	0.05
Cust 62	0.015
Cust 63	0.01
Cust 65	0.01
Cust 66	0
Cust 67	0.005
Cust 68	0
Cust 70	0.01
Cust 71	0.004
Cust 72	0.01
Cust 73	0.01
Cust 74	0.001
Cust 76	0.58
Cust 77	0.52
Cust 78	0
Cust 79	0.24
Cust 80	0.15
Cust 81	1.71
Cust 82	0.01
Cust 84	0.08
Cust 85	0.01
Cust 86	0.005
Cust 87	0.2
Cust 88	0.003
Cust 89	0.06
Cust 91	0.0015
Cust 92	0
Cust 93	0.75
Cust 94	0.09
Cust 95	0.03
Cust 96	0.22
Cust 97	0.02
Cust 98	0
Cust 99	0.04
Cust 100	0.01
Cust 101	0.025
Cust 103	0.02
Cust 104	0.01
Cust 105	0.02
Cust 106	0.07
Cust 107	0.04
Cust 108	0.005
Cust 109	0.004
Cust 110	0.0025
Cust 111	0.55
Cust 112	0.01

Cust 113	0.01
Cust 114	0.0025
Cust 115	0.006
Cust 116	11.469137
Cust 117	0.02
Cust 118	1
Cust 119	0
Cust 120	0
Cust 121	0.0001
Cust 122	0.02
Cust 123	0.02
Cust 124	0.01
Cust 125	3.18

Supply	Flow
	MMSCMD
RIL Bhadbut New	14.161437
Petronet Supply	14.084214
ONGC Olpad	0.069
GIGL Palanpur	3.8834338

Deliveries	Flow
	MMSCMD
Cust 1	0.13870769
Cust 2	0.68363077
Cust 3	1.0997538
Cust 4	0
Cust 5	0
Cust 6	0.23778462
Cust 7	0.11889231
Cust 8	0.27741539
Cust 9	0.019815385
Cust 10	0.069353846
Cust 11	0.13870769
Cust 12	0.16843077
Cust 13	0.49538461
Cust 14	0.36658462
Cust 15	0.24769231
Cust 16	1.4861538
Cust 17	0.30713846
Cust 18	0.99076923
Cust 19	0.058455385
Cust 20	0.039630769
Cust 21	0.079261538
Cust 22	0.039630769
Cust 23	0.009907692
Cust 24	0.009907692
Cust 25	0.000990769
Cust 26	0.001981538
Cust 27	0.069353846
Cust 28	0.049538462
Cust 29	0.009907692
Cust 30	0.049538462
Cust 31	0.039630769
Cust 32	0.16843077
Cust 33	0.13870769
Cust 34	0
Cust 35	0.009907692
Cust 36	0.009907692
Cust 38	0.049538462
Cust 39	0.039630769
Cust 40	0.079261538
Cust 41	0
Cust 42	0
Cust 43	0.009907692
Cust 44	0.009907692
Cust 45	0.002972308
Cust 46	0.009907692
Cust 47	0.009907692
Cust 48	0.003963077

Cust 49	0.069353846
Cust 50	0.019815385
Cust 52	0.93132308
Cust 53	0.17833846
Cust 54	0.009907692
Cust 55	0.009907692
Cust 56	0.001981538
Cust 57	0.049538462
Cust 58	0.005944615
Cust 59	0.049538462
Cust 61	0.014861538
Cust 62	0.009907692
Cust 63	0.019815385
Cust 64	0.009907692
Cust 65	0.19815385
Cust 66	0.004953846
Cust 67	0
Cust 69	0.009907692
Cust 70	0.003963077
Cust 71	0.009907692
Cust 72	0.009907692
Cust 73	0.000990769
Cust 75	1.1096615
Cust 76	0.78270769
Cust 77	0.23778462
Cust 78	0.14861538
Cust 79	0.99076923
Cust 80	0.009907692
Cust 82	0.079261538
Cust 83	0.009907692
Cust 84	0.004953846
Cust 85	0
Cust 86	0.002972308
Cust 87	0.059446154
Cust 89	0.001486154
Cust 90	0
Cust 91	1.1393846
Cust 92	0.089169231
Cust 93	0.029723077
Cust 94	0.21796923
Cust 95	0.019815385
Cust 96	0.039630769
Cust 97	0.009907692
Cust 98	0
Cust 100	0.019815385
Cust 101	0.009907692
Cust 102	0.099076923
Cust 103	0.004953846
Cust 104	0.003963077
Cust 105	0.002476923
Cust 106	1.7833846

Cust 107	0.009907692
Cust 108	0.009907692
Cust 109	0.002476923
Cust 110	0.005944615
Cust 111	10.252337
Cust 112	0.019815385
Cust 113	0.76289231
Cust 114	0.019815385
Cust 115	9.91E-05
Cust 116	0.019815385
Cust 117	0.019815385
Cust 118	0.009907692
Cust 119	4.0621538
Cust 121	0.59446154
Cust 122	0.029723077
Cust 123	0.008421538

Supply	Flow
	MMSCMD
RIL Bhadbut New	13.129239
Petronet Supply	12.51082
ONGC Olpad	0.069
GLL	6.6840729
GIGL	3.6379237

Deliveries	Flow
	MMSCMD
Cust 1	0.13541107
Cust 2	0.66738313
Cust 3	0.48361096
Cust 4	0
Cust 5	0
Cust 6	0.23213326
Cust 7	0.096722192
Cust 8	0.27082214
Cust 9	0.019344438
Cust 10	0.067705535
Cust 11	0.13541107
Cust 12	0.16442773
Cust 13	0.58033315
Cust 14	0.35787211
Cust 15	0.24180548
Cust 16	2.4180548
Cust 17	0.2514777
Cust 18	0.96722192
Cust 19	0.057066093
Cust 20	0.038688877
Cust 21	0.077377754
Cust 22	0.038688877
Cust 23	0.009672219
Cust 24	0.009672219
Cust 25	0.000967222
Cust 26	0.001934444
Cust 27	0.067705535
Cust 28	0.048361096
Cust 29	0.009672219
Cust 30	0.048361096
Cust 31	0.038688877
Cust 32	0.16442773
Cust 33	0.13541107
Cust 34	0
Cust 35	0.009672219
Cust 36	0.009672219
Cust 38	0.048361096
Cust 39	0.038688877
Cust 40	0.077377754
Cust 41	0
Cust 42	0
Cust 43	0.009672219
Cust 44	0.009672219
Cust 45	0.002901666
Cust 46	0.009672219

Cust 47	0.009672219
Cust 48	0.003868888
Cust 49	0.067705535
Cust 50	0.019344438
Cust 52	0.90918861
Cust 53	0.17409995
Cust 54	0.009672219
Cust 55	0.009672219
Cust 56	0.001934444
Cust 57	0.048361096
Cust 58	0.005803332
Cust 59	0.048361096
Cust 60	0.005803332
Cust 61	0.014508329
Cust 62	0.009672219
Cust 63	0.019344438
Cust 64	0.009672219
Cust 65	0.19344439
Cust 66	0.00483611
Cust 67	0
Cust 69	0.009672219
Cust 70	0.003868888
Cust 71	0.009672219
Cust 72	0.009672219
Cust 73	0.000967222
Cust 75	1.0832886
Cust 76	0.76410532
Cust 77	0.23213326
Cust 78	0.14508329
Cust 79	0.52229984
Cust 80	0.009672219
Cust 82	0.077377754
Cust 83	0.009672219
Cust 84	0.00483611
Cust 85	0
Cust 86	0.002901666
Cust 87	0.058033315
Cust 89	0.001450833
Cust 90	0
Cust 91	0.48361096
Cust 92	0.087049973
Cust 93	0.029016658
Cust 94	0.21278882
Cust 95	0.019344438
Cust 96	0.038688877
Cust 97	0.009672219
Cust 98	0
Cust 100	0.019344438
Cust 101	0.009672219

Cust 102	0.096722192
Cust 103	0.00483611
Cust 104	0.003868888
Cust 105	0.002418055
Cust 106	2.4180548
Cust 107	0.009672219
Cust 108	0.009672219
Cust 109	0.002418055
Cust 110	0.005803332
Cust 111	13.605189
Cust 112	0.019344438
Cust 113	0.74476088
Cust 114	0.11606663
Cust 115	9.67E-05
Cust 116	0.019344438
Cust 117	0.019344438
Cust 118	0.009672219
Cust 119	3.9656099
Cust 121	1.4411607
Cust 122	0.029016658
Cust 123	0.008221386

Supply	Flow
	MMSCMD
RIL Bhadbut New	13.129239
Petronet Supply	12.51082
ONGC Olpad	0.069
GLL	6.6840729
GIGL	3.6379237

Deliveries	Flow
	MMSCMD
Cust 1	0.13541107
Cust 2	0.66738313
Cust 3	0.48361096
Cust 4	0
Cust 5	0
Cust 6	0.23213326
Cust 7	0.096722192
Cust 8	0.27082214
Cust 9	0.019344438
Cust 10	0.067705535
Cust 11	0.13541107
Cust 12	0.16442773
Cust 13	0.58033315
Cust 14	0.35787211
Cust 15	0.24180548
Cust 16	2.4180548
Cust 17	0.2514777
Cust 18	0.96722192
Cust 19	0.057066093
Cust 20	0.038688877
Cust 21	0.077377754
Cust 22	0.038688877
Cust 23	0.009672219
Cust 24	0.009672219
Cust 25	0.000967222
Cust 26	0.001934444
Cust 27	0.067705535
Cust 28	0.048361096
Cust 29	0.009672219
Cust 30	0.048361096
Cust 31	0.038688877
Cust 32	0.16442773
Cust 33	0.13541107
Cust 34	0
Cust 35	0.009672219
Cust 36	0.009672219
Cust 38	0.048361096
Cust 39	0.038688877
Cust 40	0.077377754
Cust 41	0
Cust 42	0
Cust 43	0.009672219
Cust 44	0.009672219
Cust 45	0.002901666
Cust 46	0.009672219

Cust 47	0.009672219
Cust 48	0.003868888
Cust 49	0.067705535
Cust 50	0.019344438
Cust 52	0.90918861
Cust 53	0.17409995
Cust 54	0.009672219
Cust 55	0.009672219
Cust 56	0.001934444
Cust 57	0.048361096
Cust 58	0.005803332
Cust 59	0.048361096
Cust 60	0.005803332
Cust 61	0.014508329
Cust 62	0.009672219
Cust 63	0.019344438
Cust 64	0.009672219
Cust 65	0.19344439
Cust 66	0.00483611
Cust 67	0
Cust 69	0.009672219
Cust 70	0.003868888
Cust 71	0.009672219
Cust 72	0.009672219
Cust 73	0.000967222
Cust 75	1.0832886
Cust 76	0.76410532
Cust 77	0.23213326
Cust 78	0.14508329
Cust 79	0.52229984
Cust 80	0.009672219
Cust 82	0.077377754
Cust 83	0.009672219
Cust 84	0.00483611
Cust 85	0
Cust 86	0.002901666
Cust 87	0.058033315
Cust 89	0.001450833
Cust 90	0
Cust 91	0.48361096
Cust 92	0.087049973
Cust 93	0.029016658
Cust 94	0.21278882
Cust 95	0.019344438
Cust 96	0.038688877
Cust 97	0.009672219
Cust 98	0
Cust 100	0.019344438
Cust 101	0.009672219

Cust 102	0.096722192
Cust 103	0.00483611
Cust 104	0.003868888
Cust 105	0.002418055
Cust 106	2.4180548
Cust 107	0.009672219
Cust 108	0.009672219
Cust 109	0.002418055
Cust 110	0.005803332
Cust 111	13.605189
Cust 112	0.019344438
Cust 113	0.74476088
Cust 114	0.11606663
Cust 115	9.67E-05
Cust 116	0.019344438
Cust 117	0.019344438
Cust 118	0.009672219
Cust 119	3.9656099
Cust 121	1.4411607
Cust 122	0.029016658
Cust 123	0.008221386

Supply	Flow
	MMSCMD
RIL Bhadbut New	13.129239
Petronet Supply	12.51082
ONGC Olpad	0.069
GLL	6.6840729
GIGL	3.6379237

Deliveries	Flow
	MMSCMD
Cust 1	0.13541107
Cust 2	0.66738313
Cust 3	0.48361096
Cust 4	0
Cust 5	0
Cust 6	0.23213326
Cust 7	0.096722192
Cust 8	0.27082214
Cust 9	0.019344438
Cust 10	0.067705535
Cust 11	0.13541107
Cust 12	0.16442773
Cust 13	0.58033315
Cust 14	0.35787211
Cust 15	0.24180548
Cust 16	2.4180548
Cust 17	0.2514777
Cust 18	0.96722192
Cust 19	0.057066093
Cust 20	0.038688877
Cust 21	0.077377754
Cust 22	0.038688877
Cust 23	0.009672219
Cust 24	0.009672219
Cust 25	0.000967222
Cust 26	0.001934444
Cust 27	0.067705535
Cust 28	0.048361096
Cust 29	0.009672219
Cust 30	0.048361096
Cust 31	0.038688877
Cust 32	0.16442773
Cust 33	0.13541107
Cust 34	0
Cust 35	0.009672219
Cust 36	0.009672219
Cust 38	0.048361096
Cust 39	0.038688877
Cust 40	0.077377754
Cust 41	0
Cust 42	0
Cust 43	0.009672219
Cust 44	0.009672219
Cust 45	0.002901666
Cust 46	0.009672219

Cust 47	0.009672219
Cust 48	0.003868888
Cust 49	0.067705535
Cust 50	0.019344438
Cust 52	0.90918861
Cust 53	0.17409995
Cust 54	0.009672219
Cust 55	0.009672219
Cust 56	0.001934444
Cust 57	0.048361096
Cust 58	0.005803332
Cust 59	0.048361096
Cust 60	0.005803332
Cust 61	0.014508329
Cust 62	0.009672219
Cust 63	0.019344438
Cust 64	0.009672219
Cust 65	0.19344439
Cust 66	0.00483611
Cust 67	0
Cust 69	0.009672219
Cust 70	0.003868888
Cust 71	0.009672219
Cust 72	0.009672219
Cust 73	0.000967222
Cust 75	1.0832886
Cust 76	0.76410532
Cust 77	0.23213326
Cust 78	0.14508329
Cust 79	0.52229984
Cust 80	0.009672219
Cust 82	0.077377754
Cust 83	0.009672219
Cust 84	0.00483611
Cust 85	0
Cust 86	0.002901666
Cust 87	0.058033315
Cust 89	0.001450833
Cust 90	0
Cust 91	0.48361096
Cust 92	0.087049973
Cust 93	0.029016658
Cust 94	0.21278882
Cust 95	0.019344438
Cust 96	0.038688877
Cust 97	0.009672219
Cust 98	0
Cust 100	0.019344438
Cust 101	0.009672219

Cust 102	0.096722192
Cust 103	0.00483611
Cust 104	0.003868888
Cust 105	0.002418055
Cust 106	2.4180548
Cust 107	0.009672219
Cust 108	0.009672219
Cust 109	0.002418055
Cust 110	0.005803332
Cust 111	13.605189
Cust 112	0.019344438
Cust 113	0.74476088
Cust 114	0.11606663
Cust 115	9.67E-05
Cust 116	0.019344438
Cust 117	0.019344438
Cust 118	0.009672219
Cust 119	3.9656099
Cust 121	1.4411607
Cust 122	0.029016658
Cust 123	0.008221386

Supply	Flow
	MMSCMD
RIL Bhadbut New	13.129239
Petronet Supply	12.51082
ONGC Olpad	0.069
GLL	6.6840729
GIGL	3.6379237

Deliveries	Flow
	MMSCMD
Cust 1	0.13541107
Cust 2	0.66738313
Cust 3	0.48361096
Cust 4	0
Cust 5	0
Cust 6	0.23213326
Cust 7	0.096722192
Cust 8	0.27082214
Cust 9	0.019344438
Cust 10	0.067705535
Cust 11	0.13541107
Cust 12	0.16442773
Cust 13	0.58033315
Cust 14	0.35787211
Cust 15	0.24180548
Cust 16	2.4180548
Cust 17	0.2514777
Cust 18	0.96722192
Cust 19	0.057066093
Cust 20	0.038688877
Cust 21	0.077377754
Cust 22	0.038688877
Cust 23	0.009672219
Cust 24	0.009672219
Cust 25	0.000967222
Cust 26	0.001934444
Cust 27	0.067705535
Cust 28	0.048361096
Cust 29	0.009672219
Cust 30	0.048361096
Cust 31	0.038688877
Cust 32	0.16442773
Cust 33	0.13541107
Cust 34	0
Cust 35	0.009672219
Cust 36	0.009672219
Cust 38	0.048361096
Cust 39	0.038688877
Cust 40	0.077377754
Cust 41	0
Cust 42	0
Cust 43	0.009672219
Cust 44	0.009672219
Cust 45	0.002901666
Cust 46	0.009672219

Cust 47	0.009672219
Cust 48	0.003868888
Cust 49	0.067705535
Cust 50	0.019344438
Cust 52	0.90918861
Cust 53	0.17409995
Cust 54	0.009672219
Cust 55	0.009672219
Cust 56	0.001934444
Cust 57	0.048361096
Cust 58	0.005803332
Cust 59	0.048361096
Cust 60	0.005803332
Cust 61	0.014508329
Cust 62	0.009672219
Cust 63	0.019344438
Cust 64	0.009672219
Cust 65	0.19344439
Cust 66	0.00483611
Cust 67	0
Cust 69	0.009672219
Cust 70	0.003868888
Cust 71	0.009672219
Cust 72	0.009672219
Cust 73	0.000967222
Cust 75	1.0832886
Cust 76	0.76410532
Cust 77	0.23213326
Cust 78	0.14508329
Cust 79	0.52229984
Cust 80	0.009672219
Cust 82	0.077377754
Cust 83	0.009672219
Cust 84	0.00483611
Cust 85	0
Cust 86	0.002901666
Cust 87	0.058033315
Cust 89	0.001450833
Cust 90	0
Cust 91	0.48361096
Cust 92	0.087049973
Cust 93	0.029016658
Cust 94	0.21278882
Cust 95	0.019344438
Cust 96	0.038688877
Cust 97	0.009672219
Cust 98	0
Cust 100	0.019344438
Cust 101	0.009672219

Cust 102	0.096722192
Cust 103	0.00483611
Cust 104	0.003868888
Cust 105	0.002418055
Cust 106	2.4180548
Cust 107	0.009672219
Cust 108	0.009672219
Cust 109	0.002418055
Cust 110	0.005803332
Cust 111	13.605189
Cust 112	0.019344438
Cust 113	0.74476088
Cust 114	0.11606663
Cust 115	9.67E-05
Cust 116	0.019344438
Cust 117	0.019344438
Cust 118	0.009672219
Cust 119	3.9656099
Cust 121	1.4411607
Cust 122	0.029016658
Cust 123	0.008221386

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	**Fluid**													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	94.9403	4.2195	0.369828	0.064365	0.0935	0.00392	0	0				0.3086
0002	RGTIL	0.0532	93.7478	4.384	1.15044	0.2301	0.23143	0.01932	0.01366	0.0203				0.1498
0003	ONGC	0.03	99.63	0.21	0	0	0	0	0	0				0.13

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	**Fluid**													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet		97.3921	1.4908	0.4667	0.0816	0.1269	0.0036	0					0.4383
0002	RGTIL	0.0534	87.7341	9.7652	1.65122	0.25261	0.2703	0.01205	0.0055887...	0.0084				0.2471
0003	ONGC	0.03	99.63	0.21	0	0	0	0	0	0				0.13
0004	GIGLPalanpur	0.008853	84.732869	10.53...	2.728939	0.917038	0.53501	0.147998	0.093034	0.0482...				0.249671
New														

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	**Fluid**													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	94.52171	4.945...	0.2886997	0.05069995	0.06609993	0.0001						0.1275999
0002	RGTIL	0.06719993	93.15391	5.432...	0.999399	0.1025999	0.1215999	0.009099991	0.0059999...	0.0094...				0.0978999
0003	ONGC	0.03	99.63	0.21	0	0	0	0	0	0				0.13
0004	GIGLPalanpur	0.01007	83.94618	10.77...	3.025361	1.095591	0.651412	0.127917	0.077431	0.0411...				0.253265
New														

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	Fluid													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	95.2475	3.859...	0.3819996	0.07019993	0.1073999	0.0024	0	0				0.3309997
0002	RGTIL	0	89.6655	8.9608	0.8916	0.1365	0.144	0.0024	0	0				0.1992
0003	ONGC	0.1724	97.9225	0.2301	0.0057	0.0006	0	0	0.001	0				1.6677
0004	Mundra LNG	0	94.17681	5.225...	0.4530995	0.05539994	0.05279995	0.004599995	0.0024999...	0.0005...				0.028899...
0005	GIGL Palanpur	0.007785	83.970456	10.72...	3.059222	1.10831	0.60668	0.138219	0.086599	0.0509...				0.245354
New														

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	Fluid													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	95.2475	3.859...	0.3819996	0.07019993	0.1073999	0.0024	0	0				0.3309997
0002	RGTIL	0	89.6655	8.9608	0.8916	0.1365	0.144	0.0024	0	0				0.1992
0003	ONGC	0.1724	97.9225	0.2301	0.0057	0.0006	0	0	0.001	0				1.6677
0004	Mundra LNG	0	94.17681	5.225...	0.4530995	0.05539994	0.05279995	0.004599995	0.0024999...	0.0005...				0.028899...
0005	GIGL Palanpur	0.007785	83.970456	10.72...	3.059222	1.10831	0.60668	0.138219	0.086599	0.0509...				0.245354
New														

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	**Fluid**													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	95.2475	3.859...	0.3819996	0.07019993	0.1073999	0.0024	0	0				0.3309997
0002	RGTIL	0	89.6655	8.9608	0.8916	0.1365	0.144	0.0024	0	0				0.1992
0003	ONGC	0.1724	97.9225	0.2301	0.0057	0.0006	0	0	0.001	0				1.6677
0004	Mundra LNG	0	94.17681	5.225...	0.4530995	0.05539994	0.05279995	0.004599995	0.0024999...	0.0005...				0.028899...
0005	GIGL Palanpur	0.007785	83.970456	10.72...	3.059222	1.10831	0.60668	0.138219	0.086599	0.0509...				0.245354
New														

	Name	Carbon Dioxide (CO2)	Methane (C1)	Ethane (C2)	Propane (C3)	Isobutane (IC4)	N-butane (NC4)	Isopentane (IC5)	N-pentane (NC5)	Hexane (C6)	Heptane (C7)	Heptane+ (C7+)	Octane (C8)	Nitrogen (N2)
Init...	**Fluid**													
Units		*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*	*percent*
0001	Petronet	0	97.175743	1.900...	0.42656...	0.070607193	0.10348713	0.00384	0.0007259...	0				0.318939...
0002	RGTIL	0.22509	98.862468	0.34271	0.19174	0.04709	0.03543	0.01889	0.0070918...	0.04207				0.22742
0003	ONGC	0.1708009	97.87329	0.227...	0.00530...	0.00590003								1.717609
0004	Mundra LNG	0	92.4291	6.8256	0.5142	0.0867	0.0715	0.0019	0.0004	0				0.0706
0005	GIGL Palanpur	0.019772	84.170043	10.55...	3.009617	1.032347	0.603601	0.170983	0.112088	0.0738...				0.253993
New														

Entity data/ inputs has been verified by EIL w.r.t stepwise methodology given in Clause no. 5.(5) of PNGRB capacity assessment regulation and supported data/ inputs submitted by Entity/ PNGRB. Tabulated below are the comparative capacity assessment figures (rounded-off figures) at an interval of one year as carried out by entity & EIL:

Assessment years	Pipeline Capacity as determined by Entity (in MMSCMD)	Pipeline Capacity as assessed by EIL (in MMSCMD)
	Entity	EIL
	Software used - Pipeline Studio (TGNET)	Software used - Pipeline Studio (TGNET)
2017-18	28.29	30.1
2018-19	29.62	30.2 (Note-2)
2019-20	32.13	32.2
2020-21	35.22	36.0 (Note-3)
2021-22	35.21	36.0
2022-23	34.17	36.0
2023-24	34.17	36.0

** As the pipeline capacity was arrived as per PNGRB regulation [based on MAOP considerations], hence variation in determined capacity for various assessment years is due to change in sources and /or deliveries and / or network length and / or network configuration etc.

Note-1: PIL compressor operative for Years 2017-18, 2018-19 & 2019-20. As per PNGRB regulation, capacity was determined based on MAOP of pipeline in downstream section of compressor. Hence, no impact is envisaged.

Note-2: Capacity without Gana Compressor will be 29.5 MMSCMD during 2018-19 & capacity with Gana compressor is as mentioned in table.

Note -3: Impact of Mundra Tie-in and Anjar Mundra Line has been assessed for 2020-21 [Size 36”, Authorized length 50 km & Operating length 67 km (considered in simulation)]. Capacity with connectivity is as mentioned in table & without connectivity will be 33.05 MMSCMD.

2017-18	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
Cust 15	Thangadh-SV1-Morbi spur
Cust 16	SV-2+TOP2+Hirapar+MMPL
Cust 17	Halol_Node
Cust 18	Essar-N1-2
Cust 19	Sidhpur node
Cust 20	CH35.66
Cust 21	Node1269
Cust 22	CH60.815
Cust 23	CH40.074
Cust 24	CH30.023
Cust 25	Raymond node
Cust 26	Welspun
Cust 27	Dabhan
Cust 28	Chappara
Cust 29	Node1377-2
Cust 30	BAKPL-VALAD
Cust 31	kalol_Node
Cust 32	KHPL-Node-1
Cust 33	KMPL- Kadi
Cust 34	KMPL-Mandli
Cust 35	vilayat-Jubilant-Node
Cust 36	Kelod
Cust 38	Vartej1
Cust 39	Silvai
Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
Cust 42	Sumangal-N1
Cust 43	Euro-node
Cust 44	metrade-Node
Cust 45	ratnamani-node
Cust 46	Anjar-Node
Cust 47	Motimaladi
Cust 48	Sajod_Node
Cust 49	GGL Palej Node
Cust 50	Steelco node
Cust 51	GSFC-cst-node
Cust 53	AEC node
Cust 54	Nirma node
Cust 55	Suzlon-N
Cust 56	Nano node
Cust 57	chimique cst node
Cust 58	Piramal node
Cust 59	Banas node
Cust 60	SV4-chella-RJPL
Cust 62	Maruti CST node
Cust 63	Amreli1
Cust 66	Thasara node
Cust 67	Ambardi
Cust 70	Bhuj
Cust 71	Parle node
Cust 72	Ineos CST node
Cust 73	Panchmahal Cst Node
Cust 74	Rochling Cst node
Cust 76	Iffco- node
Cust 77	Dhuvaran_Node-2
Cust 78	JCT-node
Cust 79	GGL vapi node
Cust 80	Halol_Node
Cust 81	Dhanora Terminal
Cust 82	Nano CNG node
Cust 84	Node1512-2
Cust 85	BASF node
Cust 86	styrolution node
Cust 87	GACL_Node
Cust 88	Roxul-node
Cust 89	Sarju node
Cust 91	Dic - node
Cust 92	Torrent DGEN node
Cust 93	OPAL CST node
Cust 94	Node1410
Cust 95	GGL Dahej-node
Cust 96	GNFC CST node
Cust 97	china steel cst node
Cust 98	cosmo node

2018-19	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
Cust 15	Thangadh-SV1-Morbi spur
Cust 16	SV-2+TOP2+Hirapar+MMPL
Cust 17	Halol_Node
Cust 18	Essar-N1-2
Cust 19	Sidhpur node
Cust 20	CH35.66
Cust 21	Node1269
Cust 22	CH60.815
Cust 23	CH40.074
Cust 24	CH30.023
Cust 25	Raymond node
Cust 26	Welspun
Cust 27	Dabhan
Cust 28	Chappara
Cust 29	Node1377-2
Cust 30	BAKPL-VALAD
Cust 31	kalol_Node
Cust 32	KHPL-Node-1
Cust 33	KMPL- Kadi
Cust 34	KMPL-Mandli
Cust 35	vilayat-Jubilant-Node
Cust 36	Kelod
Cust 38	Vartej1
Cust 39	Silvai
Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
Cust 42	Sumangal-N1
Cust 43	Euro-node
Cust 44	metrade-Node
Cust 45	ratnamani-node
Cust 46	Anjar-Node
Cust 47	Motimaladi
Cust 48	Sajod_Node
Cust 49	GGL Palej Node
Cust 50	Steelco node
Cust 51	GSFC-cst-node
Cust 53	AEC node
Cust 54	Nirma node
Cust 55	Suzlon-N
Cust 56	Nano node
Cust 57	chimique cst node
Cust 58	Piramal node
Cust 59	Banas node
Cust 60	SV4-chella-RJPL
Cust 62	Maruti CST node
Cust 63	Amreli1
Cust 65	Dahod node
Cust 66	Thasara node
Cust 67	Ambardi
Cust 68	Node1397-2
Cust 70	Bhuj
Cust 71	Parle node
Cust 72	Ineos CST node
Cust 73	Panchmahal Cst Node
Cust 74	Rochling Cst node
Cust 76	Iffco- node
Cust 77	Dhuvaran_Node-2
Cust 78	JCT-node
Cust 79	GGL vapi node
Cust 80	Halol_Node
Cust 81	Dhanora Terminal
Cust 82	Nano CNG node
Cust 84	Node1512-2
Cust 85	BASF node
Cust 86	styrolution node
Cust 87	GACL_Node
Cust 88	Roxul-node
Cust 89	Sarju node
Cust 91	Dic - node
Cust 92	Torrent DGEN node
Cust 93	OPAL CST node
Cust 94	Node1410
Cust 95	GGL Dahej-node
Cust 96	GNFC CST node

2019-20	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
Cust 15	Thangadh-SV1-Morbi spur
Cust 16	SV-2+TOP2+Hirapar+MMPL
Cust 17	Halol_Node
Cust 18	Essar-N1-2
Cust 19	Sidhpur node
Cust 20	CH35.66
Cust 21	Node1269
Cust 22	CH60.815
Cust 23	CH40.074
Cust 24	CH30.023
Cust 25	Raymond node
Cust 26	Welspun
Cust 27	Dabhan
Cust 28	Chappara
Cust 29	Node1377-2
Cust 30	BAKPL-VALAD
Cust 31	kalol_Node
Cust 32	KHPL-Node-1
Cust 33	KMPL- Kadi
Cust 34	KMPL-Mandli
Cust 35	vilayat-Jubilant-Node
Cust 36	Kelod
Cust 38	Vartej1
Cust 39	Silvai
Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
Cust 42	Sumangal-N1
Cust 43	Euro-node
Cust 44	metrade-Node
Cust 45	ratnamani-node
Cust 46	Anjar-Node
Cust 47	Motimaladi
Cust 48	Sajod_Node
Cust 49	Steelco node
Cust 50	GSFC-cst-node
Cust 52	AEC node
Cust 53	Nirma node
Cust 54	Suzlon-N
Cust 55	Nano node
Cust 56	chimique cst node
Cust 57	Piramal node
Cust 58	Banas node
Cust 59	SV4-chella-RJPL
Cust 61	Maruti CST node
Cust 62	Amreli1
Cust 63	Gundala1
Cust 64	Dahod node
Cust 65	Thasara node
Cust 66	Ambardi
Cust 67	Node1397-2
Cust 69	Bhuj
Cust 70	Parle node
Cust 71	Ineos CST node
Cust 72	Panchmahal Cst Node
Cust 73	Rochling Cst node
Cust 75	Iffco- node
Cust 76	Dhuvaran_Node-2
Cust 77	GGL vapi node
Cust 78	Halol_Node
Cust 79	Dhanora Terminal
Cust 80	Nano CNG node
Cust 82	Node1512-2
Cust 83	BASF node
Cust 84	styrolution node
Cust 85	GACL_Node
Cust 86	Roxul-node
Cust 87	Sarju node
Cust 89	Dic - node
Cust 90	Torrent DGEN node
Cust 91	OPAL CST node
Cust 92	Node1410
Cust 93	GGL Dahej-node
Cust 94	GNFC CST node
Cust 95	china steel cst node

2020-21	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
Cust 15	Thangadh-SV1-Morbi spur
Cust 16	SV-2+TOP2+Hirapar+MMPL
Cust 17	Halol_Node
Cust 18	Essar-N1-2
Cust 19	Sidhpur node
Cust 20	CH35.66
Cust 21	Node1269
Cust 22	CH60.815
Cust 23	CH40.074
Cust 24	CH30.023
Cust 25	Raymond node
Cust 26	Welspun
Cust 27	Dabhan
Cust 28	Chappara
Cust 29	Node1377-2
Cust 30	BAKPL-VALAD
Cust 31	kalol_Node
Cust 32	KHPL-Node-1
Cust 33	KMPL- Kadi
Cust 34	KMPL-Mandli
Cust 35	vilayat-Jubilant-Node
Cust 36	Kelod
Cust 38	Vartej1
Cust 39	Silvai
Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
Cust 42	Sumangal-N1
Cust 43	Euro-node
Cust 44	metrade-Node
Cust 45	ratnamani-node
Cust 46	Anjar-Node
Cust 47	Motimaladi
Cust 48	Sajod_Node
Cust 49	Steelco node
Cust 50	GSFC-cst-node
Cust 52	AEC node
Cust 53	Nirma node
Cust 54	Suzlon-N
Cust 55	Nano node
Cust 56	chimique cst node
Cust 57	Piramal node
Cust 58	Banas node
Cust 59	SV4-chella-RJPL
Cust 60	Becharaji Node
Cust 61	Maruti CST node
Cust 62	Amreli1
Cust 63	Gundala1
Cust 64	Dahod node
Cust 65	Thasara node
Cust 66	Ambardi
Cust 67	Node1397-2
Cust 69	Bhuj
Cust 70	Parle node
Cust 71	Ineos CST node
Cust 72	Panchmahal Cst Node
Cust 73	Rochling Cst node
Cust 75	Iffco- node
Cust 76	Dhuvaran_Node-2
Cust 77	GGL vapi node
Cust 78	Halol_Node
Cust 79	Dhanora Terminal
Cust 80	Nano CNG node
Cust 82	Node1512-2
Cust 83	BASF node
Cust 84	styrolution node
Cust 85	GACL_Node
Cust 86	Roxul-node
Cust 87	Sarju node
Cust 89	Dic - node
Cust 90	Torrent DGEN node
Cust 91	OPAL CST node
Cust 92	Node1410
Cust 93	GGL Dahej-node
Cust 94	GNFC CST node

2021-22	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
Cust 15	Thangadh-SV1-Morbi spur
Cust 16	SV-2+TOP2+Hirapar+MMPL
Cust 17	Halol_Node
Cust 18	Essar-N1-2
Cust 19	Sidhpur node
Cust 20	CH35.66
Cust 21	Node1269
Cust 22	CH60.815
Cust 23	CH40.074
Cust 24	CH30.023
Cust 25	Raymond node
Cust 26	Welspun
Cust 27	Dabhan
Cust 28	Chappara
Cust 29	Node1377-2
Cust 30	BAKPL-VALAD
Cust 31	kalol_Node
Cust 32	KHPL-Node-1
Cust 33	KMPL- Kadi
Cust 34	KMPL-Mandli
Cust 35	vilayat-Jubilant-Node
Cust 36	Kelod
Cust 38	Vartej1
Cust 39	Silvai
Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
Cust 42	Sumangal-N1
Cust 43	Euro-node
Cust 44	metrade-Node
Cust 45	ratnamani-node
Cust 46	Anjar-Node
Cust 47	Motimaladi
Cust 48	Sajod_Node
Cust 49	Steelco node
Cust 50	GSFC-cst-node
Cust 52	AEC node
Cust 53	Nirma node
Cust 54	Suzlon-N
Cust 55	Nano node
Cust 56	chimique cst node
Cust 57	Piramal node
Cust 58	Banas node
Cust 59	SV4-chella-RJPL
Cust 60	Becharaji Node
Cust 61	Maruti CST node
Cust 62	Amreli1
Cust 63	Gundala1
Cust 64	Dahod node
Cust 65	Thasara node
Cust 66	Ambardi
Cust 67	Node1397-2
Cust 69	Bhuj
Cust 70	Parle node
Cust 71	Ineos CST node
Cust 72	Panchmahal Cst Node
Cust 73	Rochling Cst node
Cust 75	Iffco- node
Cust 76	Dhuvaran_Node-2
Cust 77	GGL vapi node
Cust 78	Halol_Node
Cust 79	Dhanora Terminal
Cust 80	Nano CNG node
Cust 82	Node1512-2
Cust 83	BASF node
Cust 84	styrolution node
Cust 85	GACL_Node
Cust 86	Roxul-node
Cust 87	Sarju node
Cust 89	Dic - node
Cust 90	Torrent DGEN node
Cust 91	OPAL CST node
Cust 92	Node1410
Cust 93	GGL Dahej-node
Cust 94	GNFC CST node

2022-23	
Cust 1	sarigam GIDC
Cust 2	GGCL_Node
Cust 3	GNFC_Node
Cust 4	NTPCJanore_Node
Cust 5	GPEC node
Cust 6	GSFC+Adani
Cust 7	Node2153
Cust 8	BAKPL-Gandhinagar
Cust 9	IFFCO node
Cust 10	santej node
Cust 11	Himmatnagar_Node
Cust 12	Mehsana_Node
Cust 13	GPPC-Pipavav_Node
Cust 14	Rajkot-Gauridad-RJPL
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Cust 40	bhrugupur
Cust 41	Nava-Kataria-SV3-MMPL
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Cust 44	metrade-Node
Cust 45	ratnamani-node
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Cust 49	Steelco node
Cust 50	GSFC-cst-node
Cust 52	AEC node
Cust 53	Nirma node
Cust 54	Suzlon-N
Cust 55	Nano node
Cust 56	chimique cst node
Cust 57	Piramal node
Cust 58	Banas node
Cust 59	SV4-chella-RJPL
Cust 60	Becharaji Node
Cust 61	Maruti CST node
Cust 62	Amreli1
Cust 63	Gundala1
Cust 64	Dahod node
Cust 65	Thasara node
Cust 66	Ambardi
Cust 67	Node1397-2
Cust 69	Bhuj
Cust 70	Parle node
Cust 71	Ineos CST node
Cust 72	Panchmahal Cst Node
Cust 73	Rochling Cst node
Cust 75	Iffco- node
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Cust 91	OPAL CST node
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2023-24	
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Cust 90	Torrent DGEN node
Cust 91	OPAL CST node
Cust 92	Node1410
Cust 93	GGL Dahej-node
Cust 94	GNFC CST node

Cust 99	vilayat-Jubilant-Node
Cust 100	Piramal node
Cust 101	Takarwada Node
Cust 103	GGL Vadhela Node
Cust 104	Paguthan-GNFC
Cust 105	cosmo node
Cust 106	IRM cst node
Cust 107	Takarwada Node
Cust 108	GGLpalitana1
Cust 109	Ramacylinder
Cust 111	SV-1+Gala+MMPL
Cust 112	Bhodigodi
Cust 113	GGLsaparpatia
Cust 114	Lonthpur
Cust 116	RIL-Jamnagar
Cust 117	GNFC Hot tap - node
Cust 118	Uttran node
Cust 121	Eklere shrikrishna
Cust 122	Mora_Node
Cust 123	Node1479
Cust 124	Node1520
Cust 125	Torrent_Node

Cust 97	china steel cst node
Cust 98	cosmo node
Cust 99	vilayat-Jubilant-Node
Cust 100	Piramal node
Cust 101	Takarwada Node
Cust 103	GGL Vadhela Node
Cust 104	Paguthan-GNFC
Cust 105	cosmo node
Cust 106	IRM cst node
Cust 107	Takarwada Node
Cust 108	GGLpalitana1
Cust 109	Ramacylinder
Cust 110	toyo-navin-convergence node
Cust 111	SV-1+Gala+MMPL
Cust 112	Bhodigodi
Cust 113	GGLsaparpatia
Cust 114	Lonthpur
Cust 115	DJPL-Meglana
Cust 116	RIL-Jamnagar
Cust 117	GNFC Hot tap - node
Cust 118	Uttran node
Cust 119	mundraLNG
Cust 120	Node2115
Cust 121	Eklere shrikrishna
Cust 122	Mora_Node
Cust 123	Node1479
Cust 124	Node1520
Cust 125	Torrent_Node

Cust 96	vilayat-Jubilant-Node
Cust 97	Piramal node
Cust 98	Takarwada Node
Cust 100	GGL Vadhela Node
Cust 101	Paguthan-GNFC
Cust 102	IRM cst node
Cust 103	GGLpalitana1
Cust 104	Ramacylinder
Cust 105	toyo-navin-convergence node
Cust 106	SV-1+Gala+MMPL
Cust 107	Bhodigodi
Cust 108	GGLsaparpatia
Cust 109	Lonthpur
Cust 110	DJPL-Meglana
Cust 111	RIL-Jamnagar
Cust 112	GNFC Hot tap - node
Cust 113	Uttran node
Cust 114	Node2115
Cust 115	Eklere shrikrishna
Cust 116	Mora_Node
Cust 117	Node1479
Cust 118	Node2166
Cust 119	Torrent_Node
Cust 121	Node2161
Cust 122	hadala
Cust 123	Node2186

Cust 95	china steel cst node
Cust 96	vilayat-Jubilant-Node
Cust 97	Piramal node
Cust 98	Takarwada Node
Cust 100	GGL Vadhela Node
Cust 101	Paguthan-GNFC
Cust 102	IRM cst node
Cust 103	GGLpalitana1
Cust 104	Ramacylinder
Cust 105	toyo-navin-convergence node
Cust 106	SV-1+Gala+MMPL
Cust 107	Bhodigodi
Cust 108	GGLsaparpatia
Cust 109	Lonthpur
Cust 110	DJPL-Meglana
Cust 111	RIL-Jamnagar
Cust 112	GNFC Hot tap - node
Cust 113	Uttran node
Cust 114	Node2115
Cust 115	Eklere shrikrishna
Cust 116	Mora_Node
Cust 117	Node1479
Cust 118	Node2166
Cust 119	Torrent_Node
Cust 121	Node2161
Cust 122	hadala
Cust 123	Node2186

Cust 95	china steel cst node
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Cust 98	Takarwada Node
Cust 100	GGL Vadhela Node
Cust 101	Paguthan-GNFC
Cust 102	IRM cst node
Cust 103	GGLpalitana1
Cust 104	Ramacylinder
Cust 105	toyo-navin-convergence node
Cust 106	SV-1+Gala+MMPL
Cust 107	Bhodigodi
Cust 108	GGLsaparpatia
Cust 109	Lonthpur
Cust 110	DJPL-Meglana
Cust 111	RIL-Jamnagar
Cust 112	GNFC Hot tap - node
Cust 113	Uttran node
Cust 114	Node2115
Cust 115	Eklere shrikrishna
Cust 116	Mora_Node
Cust 117	Node1479
Cust 118	Node2166
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Cust 104	Ramacylinder
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Cust 106	SV-1+Gala+MMPL
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Cust 95	china steel cst node
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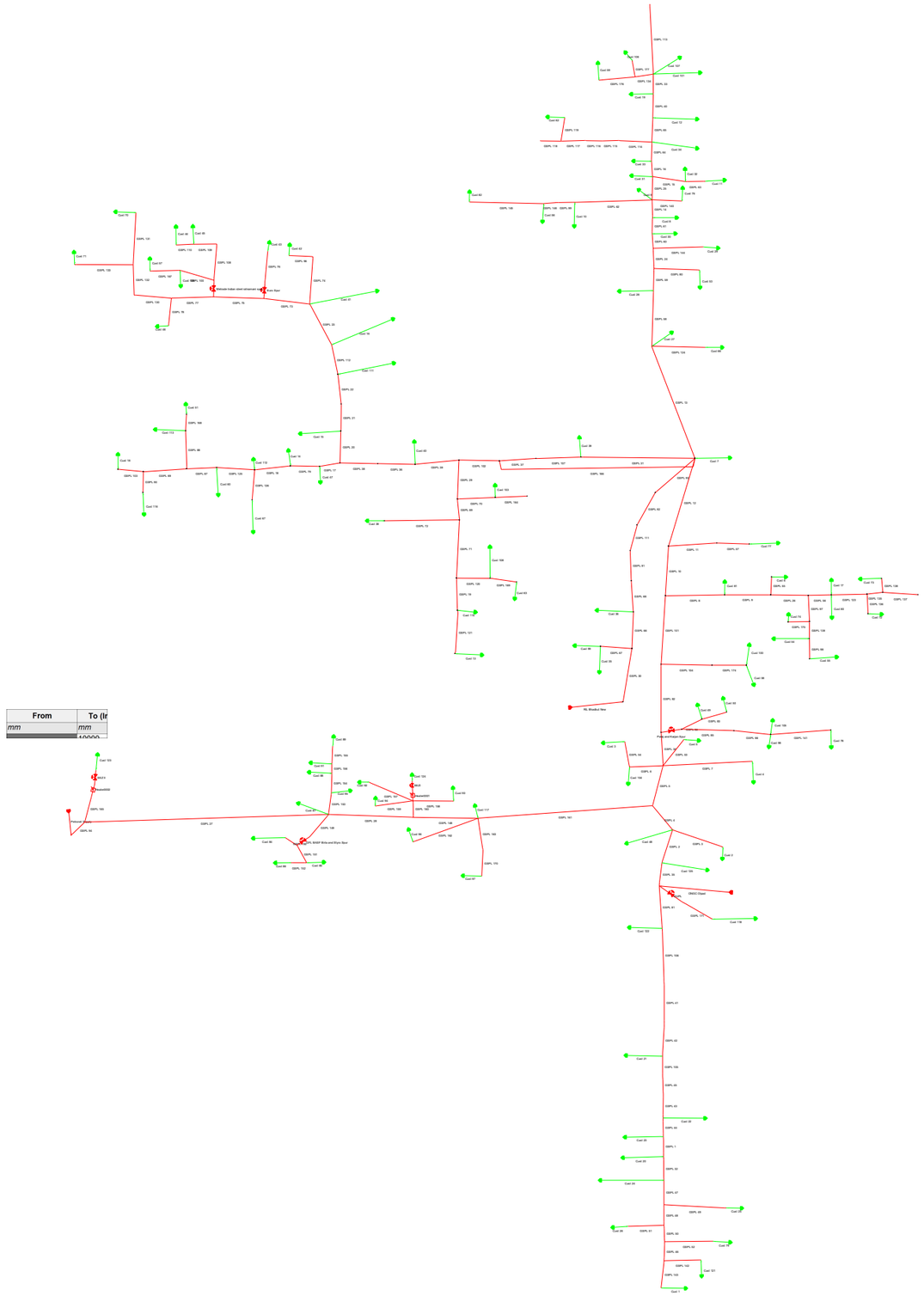
Cust 100	GGL Vadhela Node
Cust 101	Paguthan-GNFC
Cust 102	IRM cst node
Cust 103	GGLpalitana1
Cust 104	Ramacylinder
Cust 105	toyo-navin-convergence node
Cust 106	SV-1+Gala+MMPL
Cust 107	Bhodigodi
Cust 108	GGLsaparpatia
Cust 109	Lonthpur
Cust 110	DJPL-Meglana
Cust 111	RIL-Jamnagar
Cust 112	GNFC Hot tap - node
Cust 113	Uttran node
Cust 114	Node2115
Cust 115	Eklere shrikrishna
Cust 116	Mora_Node
Cust 117	Node1479
Cust 118	Node2166
Cust 119	Torrent_Node
Cust 121	Node2161
Cust 122	hadala
Cust 123	Node2186

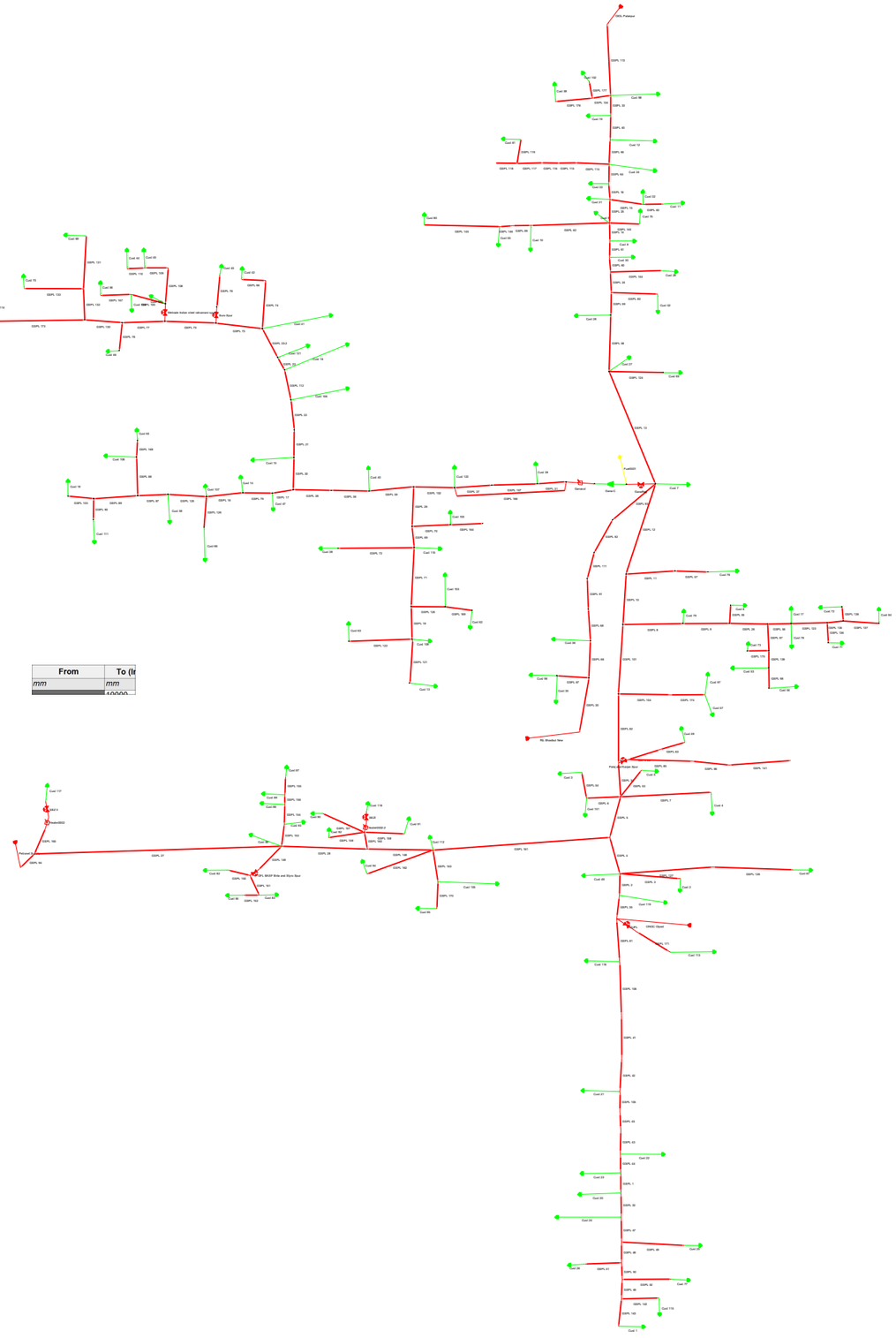
GSPL HP GAS GRID 17-18



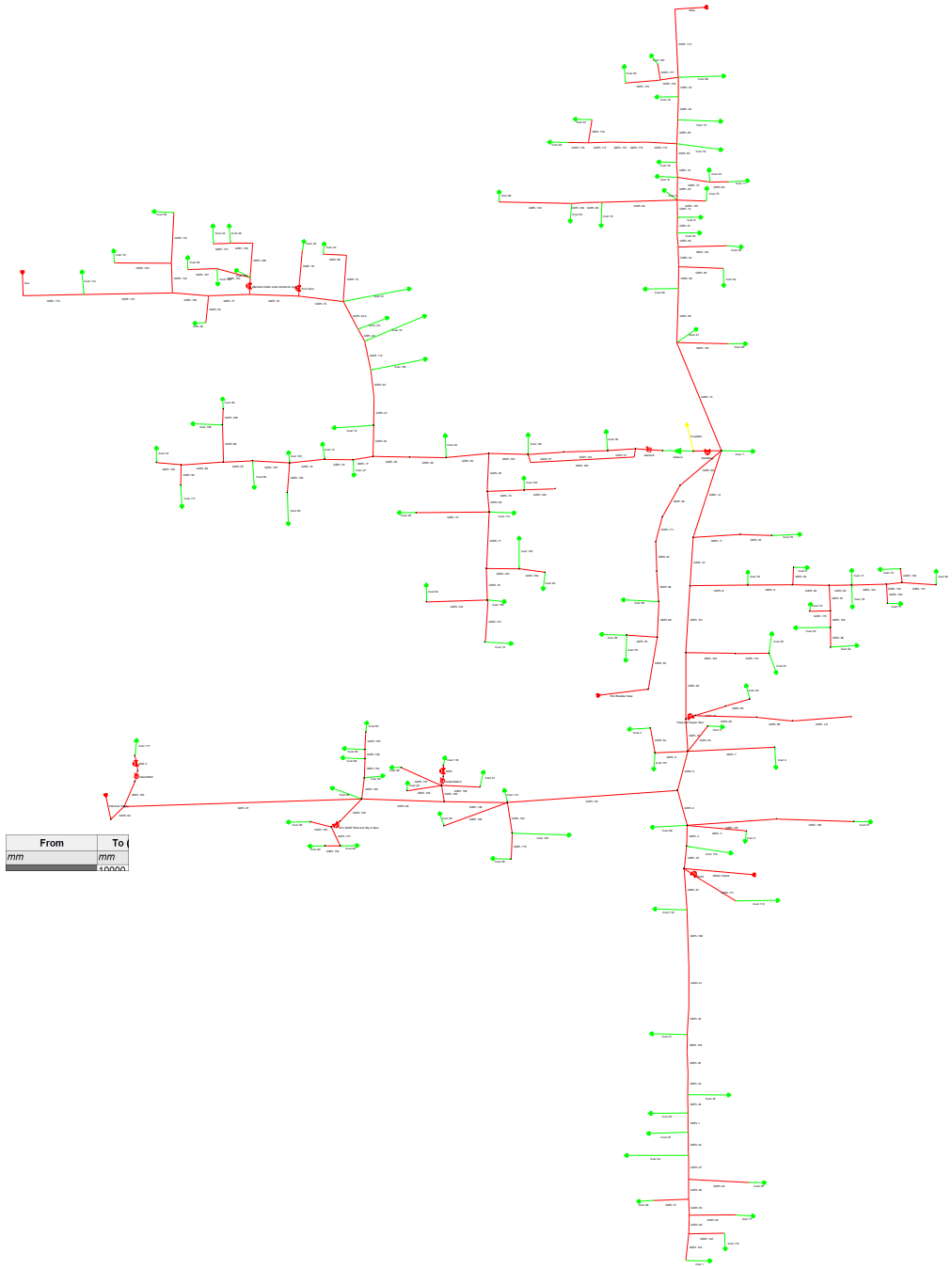
GSPL HP GAS GRID WITH COMP 18-19

From	To
mm	*mm*
	40000

GSPL HP GAS GRID WITH COMP 19-20

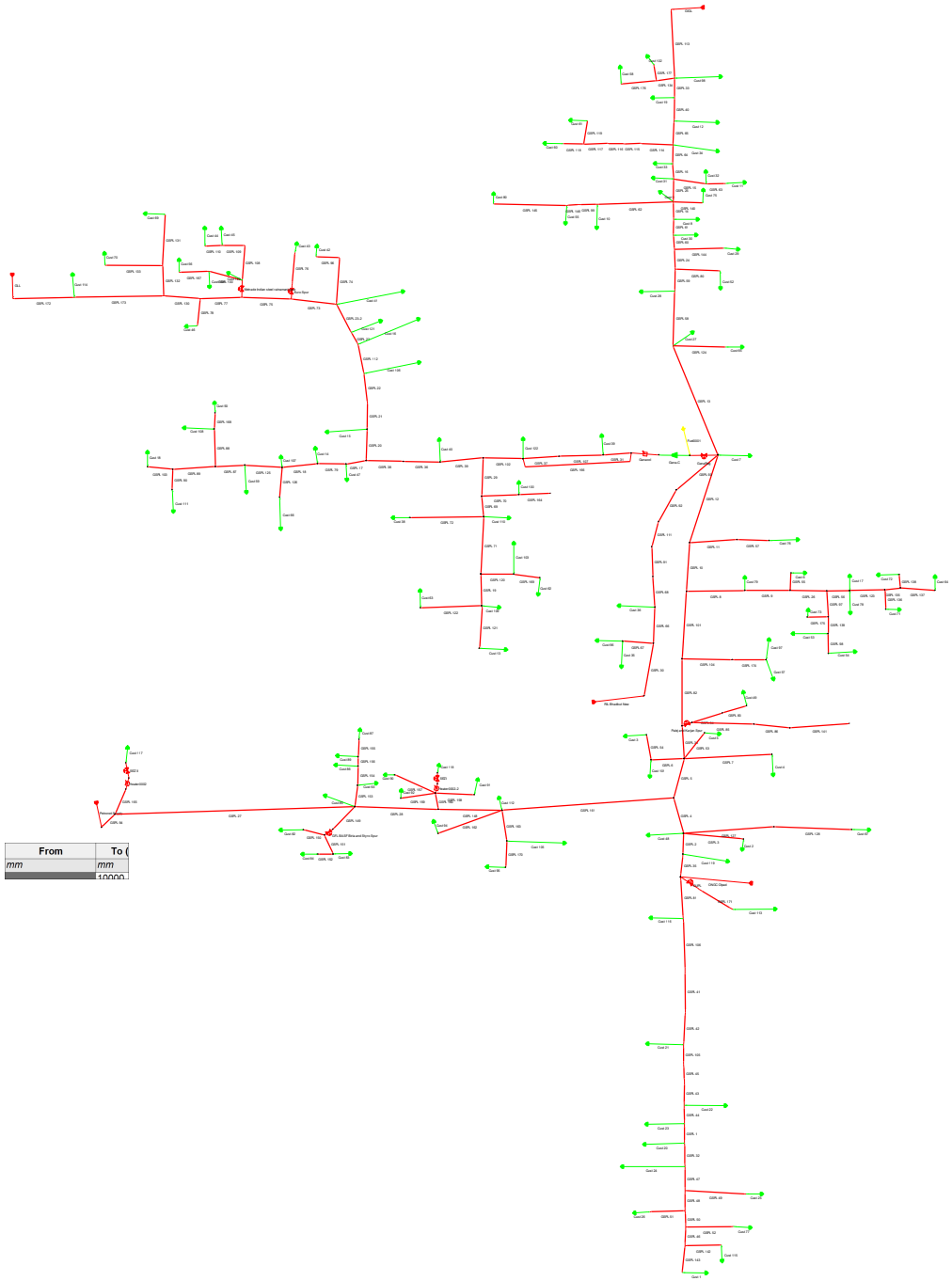


GSPL HP GAS GRID WITH COMP 20-21



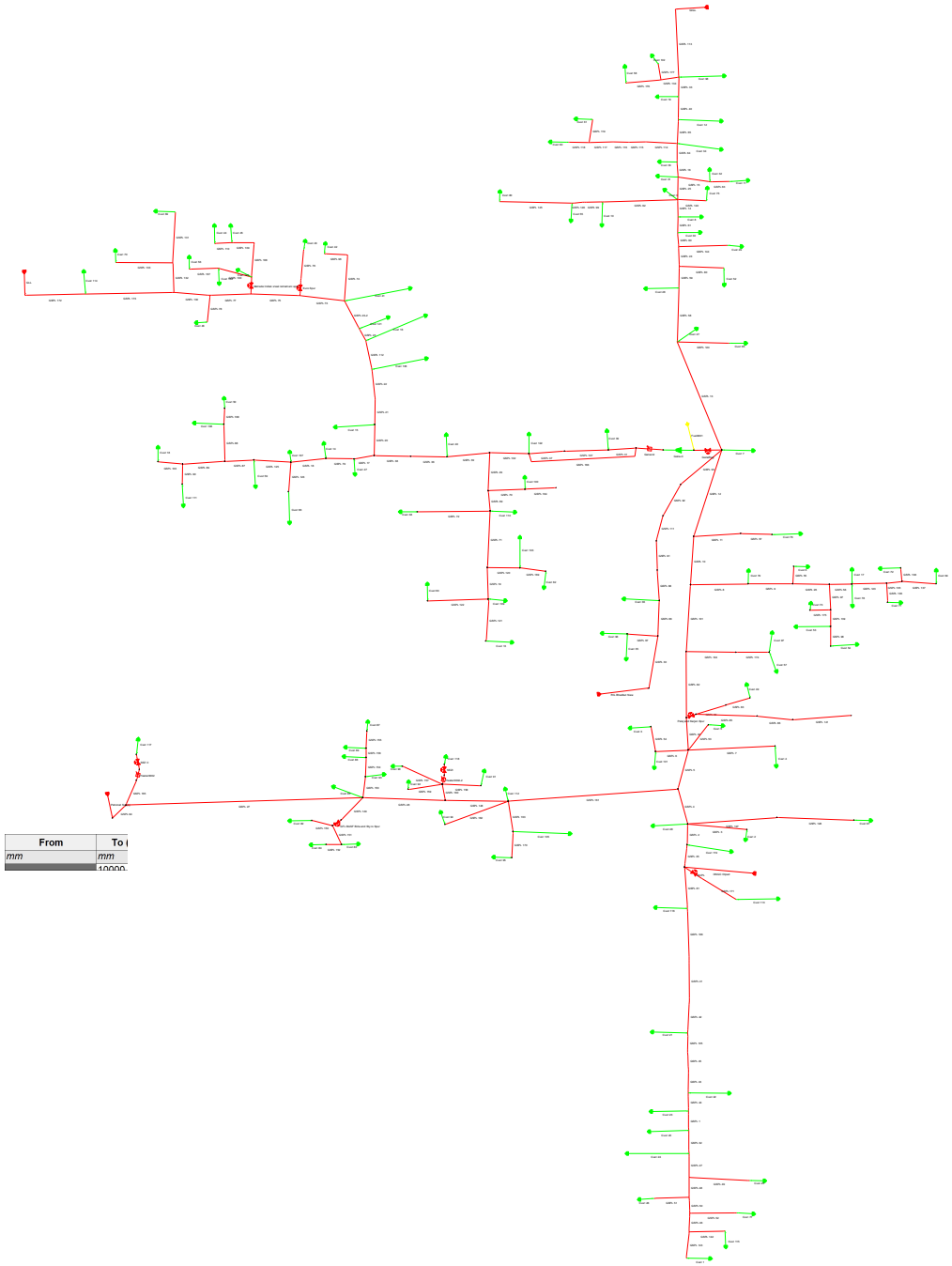
From	To (
mm	*mm*
	10000

GSPL HP GAS GRID WITH COMP APRIL 21-22



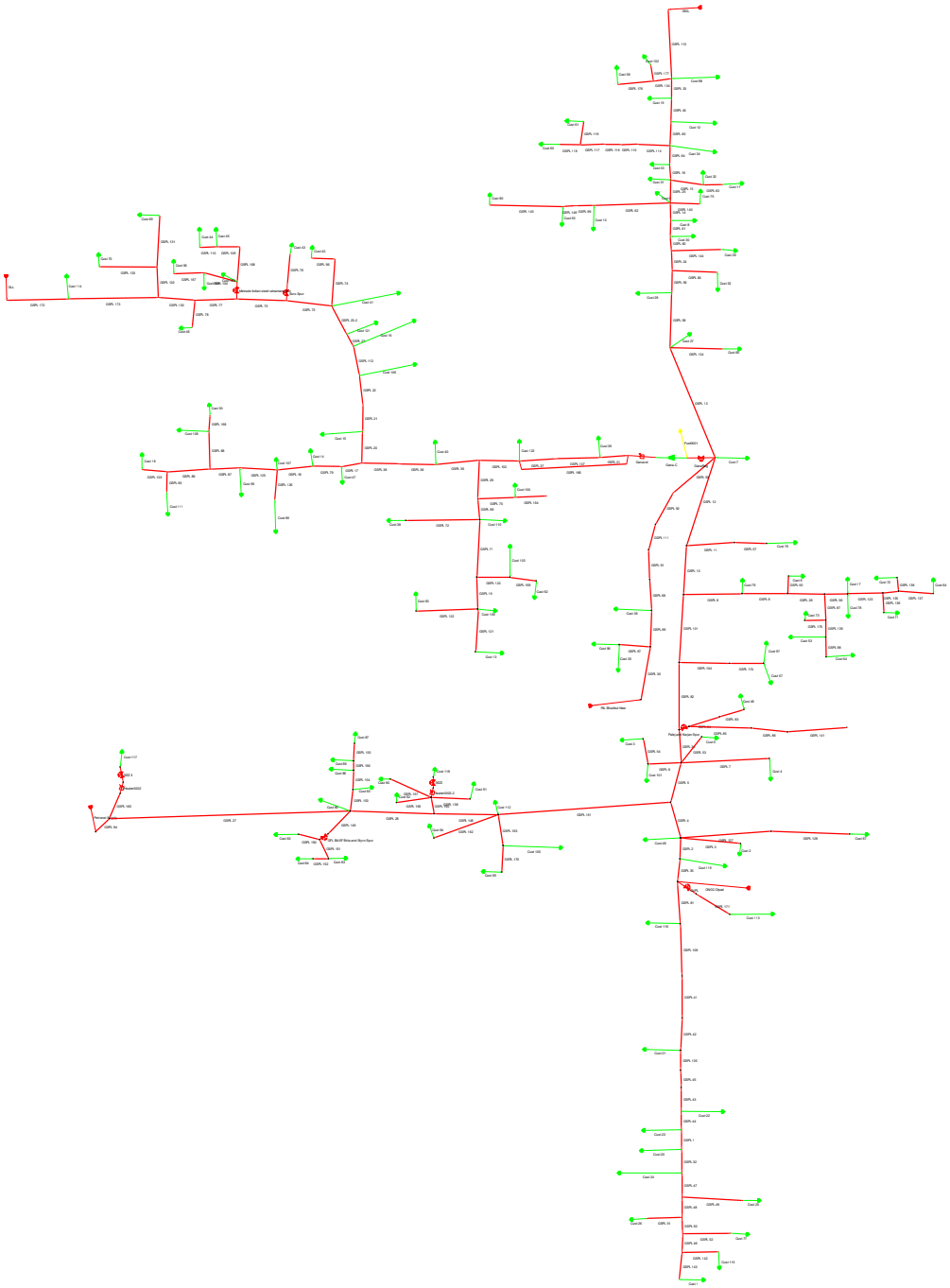
From	To (
mm	mm
	10000

GSPL HP GAS GRID WITH COMP APRIL 22-23



From	To
mm	mm
	10000

GSPL HP GAS GRID WITH COMP APRIL 23-24



From	To
mm	*mm*
	10000

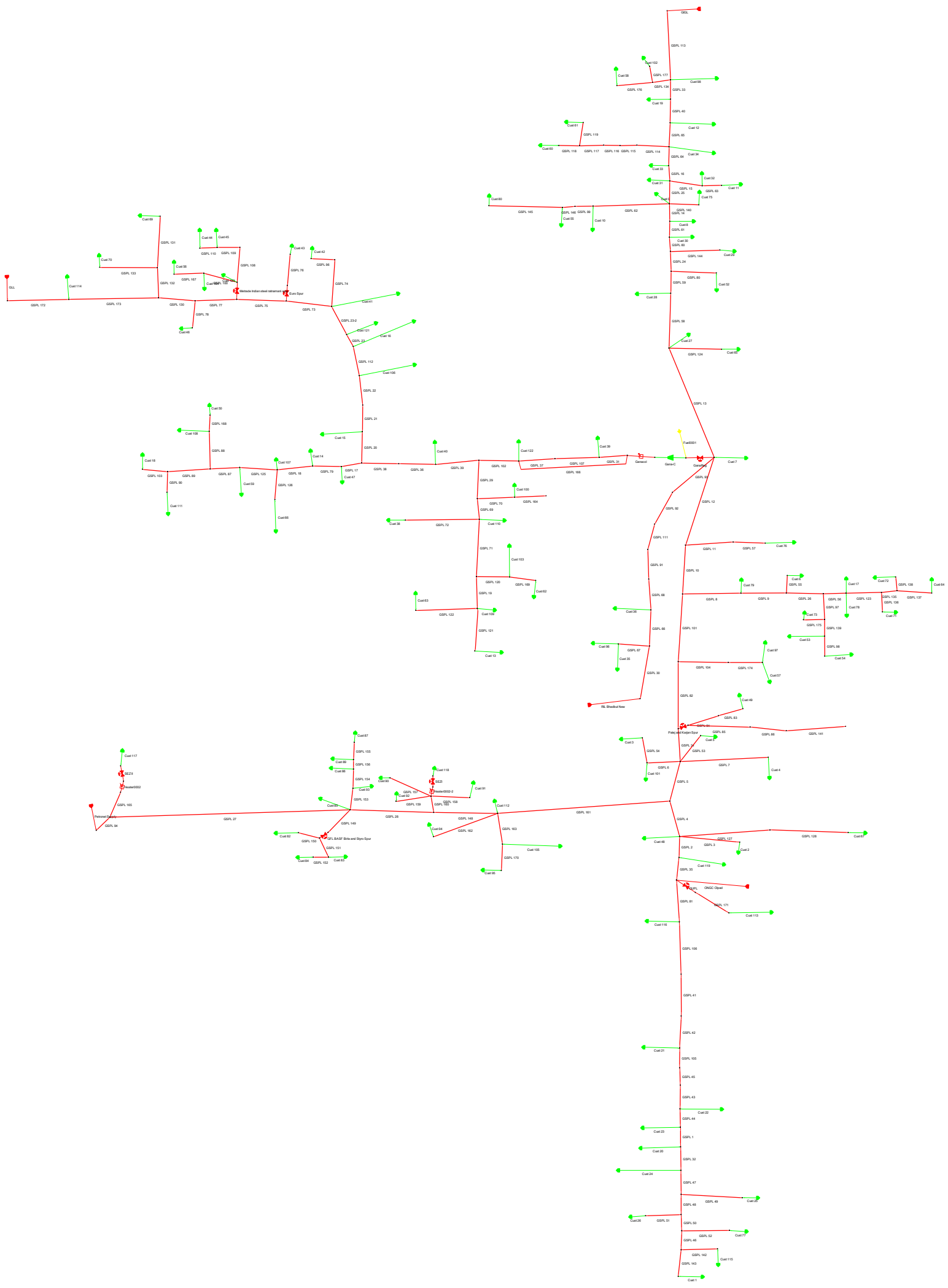
Section	Flow	Length	Diameter
	MMSCMD	Km	Inch
GSPL 1	0.584685	4.414	730.96
GSPL 2	3.1393783	35	586.16
GSPL 3	0.93150027	5.5	439.8
GSPL 4	2.2024781	12.5	585.8
GSPL 5	7.5132448	25.74	584.6
GSPL 6	0.29700143	1	308.05
GSPL 7	0	12.52	584.8
GSPL 8	1.418847	5.5	585.72
GSPL 9	1.3648491	11.3	583.98
GSPL 10	5.6218367	14	586.2
GSPL 11	1.3499976	18.51	439.28
GSPL 12	4.2718422	16.11	586.2
GSPL 13	1.1806509	27.03	586.2
GSPL 14	0.97935236	12.452	586.2
GSPL 15	0.41849818	53.8	311.01
GSPL 16	3.1123355	6.7	439.72
GSPL 17	14.884954	20.566	587.168
GSPL 18	14.236963	21.75	734
GSPL 19	1.5423761	103.38	587.58
GSPL 20	0.61465862	24.3	439.72
GSPL 21	0.95215858	19.62	439.72
GSPL 22	0.95215841	11.935	439.72
GSPL 23	5.6771629	19.84	439.28
GSPL 24	0.52034967	14.242	586.2
GSPL 25	2.639845	6.46	586.2
GSPL 26	0.85185116	11.4	310.67
GSPL 27	6.1099021	7.49	580.18
GSPL 28	5.8540144	1.83	585.8
GSPL 29	1.6652279	38.835	587.58
GSPL 30	13.26283	11.327	733.8
GSPL 31	5.8083756	15.4	587.168
GSPL 32	0.530685	5.637	730.96
GSPL 33	3.6388369	12.84	439.6
GSPL 34	7.216236	21	584.32
GSPL 35	8.741877	6.38	586.16
GSPL 36	14.270297	22.15	587.168
GSPL 37	5.754381	49.97	587.168
GSPL 38	14.270288	24.904	587.168
GSPL 39	14.378308	17.65	587.168
GSPL 40	3.5591917	50.24	439.6
GSPL 41	0.76018498	3.788	730.96
GSPL 42	0.760185	19.144	730.96
GSPL 43	0.652185	5.8295	730.96

GSPL 44	0.598185	19.847	730.96
GSPL 45	0.652185	5.8295	730.96
GSPL 46	0.189135	3.494	730.96
GSPL 47	0.517185	9.416	730.96
GSPL 48	0.515835	7.025	730.96
GSPL 49	0.00135	1.56	155.475
GSPL 50	0.513135	10.031	730.96
GSPL 51	0.0027	3.18	155.475
GSPL 52	0.324	6.5	311.05
GSPL 53	0	3.45	579.88
GSPL 54	0.28350009	0.53	308.05
GSPL 55	0.51300054	1	583.98
GSPL 56	0.59400022	25.57	310.67
GSPL 57	1.3500012	11.75	439.28
GSPL 58	0.81615033	12.793	586.2
GSPL 59	0.74865065	21.655	586.2
GSPL 60	0.53384943	3.174	586.2
GSPL 61	0.60134994	6.184	586.2
GSPL 62	0.12149974	15.22	299.71
GSPL 63	0.18899999	6.89	311.01
GSPL 64	3.3013283	17.4	439.72
GSPL 65	3.3296707	16.46	439.72
GSPL 66	13.195336	10.673	733.8
GSPL 67	0.067500031	2.47	308.05
GSPL 68	13.181833	22.028	733.8
GSPL 69	1.6382269	40.602	587.58
GSPL 70	0.027000031	5.1	205.915
GSPL 71	1.5626263	22.37	587.58
GSPL 72	0.067500033	14.3	308.75
GSPL 73	7.0271485	23.246	439.28
GSPL 74	0	1.9	206.035
GSPL 75	7.0406393	24.913	439.28
GSPL 76	0.013499964	4	311.05
GSPL 77	7.0777746	16.952	439.28
GSPL 78	0.013500062	3.95	309.63
GSPL 79	14.871458	32.99	587.168
GSPL 80	1.269	5	436.6
GSPL 81	0.78718495	18	586.16
GSPL 82	7.1216989	20.95	584.32
GSPL 83	0.094499999	0.397	155.235
GSPL 84	0.094499972	10.283	155.235
GSPL 85	0	7.799	152.695
GSPL 86	0	3.786	152.695
GSPL 87	14.149214	10.518	734
GSPL 88	0.040500006	14	205.475
GSPL 89	14.108713	11.392	734
GSPL 90	12.758712	1.424	734

GSPL 91	13.181824	18.4	733.8
GSPL 92	13.181823	16.82	733.8
GSPL 93	13.181828	16.952	733.8
GSPL 94	6.1369235	1	580.18
GSPL 96	0	2.5	206.035
GSPL 97	0.25785002	4	206.035
GSPL 98	0.013500013	19.35	206.035
GSPL 99	0.026999966	2.619	309.63
GSPL 100	0.00809999	0.597	155.475
GSPL 101	7.0406815	22.05	584.32
GSPL 102	16.043534	24.15	587.168
GSPL 103	1.3500001	6.695	734
GSPL 104	0.080999874	25.5	310.91
GSPL 105	0.65218501	8.322	730.96
GSPL 106	0.76018501	25.854	730.96
GSPL 107	5.7543753	16.65	587.168
GSPL 108	0.017549978	3	306.45
GSPL 109	0.01755	2.2	306.45
GSPL 110	0.0135	3	306.45
GSPL 111	13.181822	12	733.8
GSPL 112	2.9771607	11.935	439.72
GSPL 113	3.7818668	6.64	439.6
GSPL 114	0.028350139	18.4	307.93
GSPL 115	0.028350247	14.859	307.93
GSPL 116	0.028350137	2.67	307.93
GSPL 117	0.028350117	14.399	307.93
GSPL 118	0.008100012	1.694	307.93
GSPL 119	0.020249998	0.16	155.475
GSPL 120	0.020250186	12.456	310.97
GSPL 121	1.512	6.913	587.58
GSPL 122	0.027	45.27	439.6
GSPL 123	0.040500167	4	308.05
GSPL 124	0.26999992	44.1	310.21
GSPL 125	14.216715	57.396	734
GSPL 126	0.006749921	46.98	308.79
GSPL 127	0	5	439.6
GSPL 128	0	31.79	439.6
GSPL 130	7.091308	7.4	439.7
GSPL 131	0.0135	23.172	310.83
GSPL 132	0.018900029	11.934	310.83
GSPL 133	0.005400002	5.5	155.195
GSPL 134	0.14309683	3.95	154.975
GSPL 135	0.027000158	29.49	308.05
GSPL 136	0.013500001	2.9	155.475
GSPL 137	0.013500107	68.96	308.05
GSPL 138	0.013500005	13.6	155.435
GSPL 139	0.25649998	1.01	206.035

GSPL 140	1.5119974	1	439.8
GSPL 141	0	8.015	152.695
GSPL 142	0.000135	9.44	311.05
GSPL 143	0.189	8.8	155.475
GSPL 144	0.013499993	0.2	311.1
GSPL 145	0.0135	2	155.455
GSPL 146	0.026999969	28.951	309.63
GSPL 148	5.6650134	1.989	585.8
GSPL 149	0.12825001	4.01	155.475
GSPL 150	0.108	3.85	155.475
GSPL 151	0.020250001	0.11	155.475
GSPL 152	0.00675	0.52	101.5
GSPL 153	0.12757537	0.855	206.035
GSPL 154	0.087075252	0.705	206.035
GSPL 155	0.080999891	0.889	206.035
GSPL 156	0.083025265	0.501	206.035
GSPL 157	0	0.524	308.05
GSPL 158	0.053999997	2.73	308.05
GSPL 159	0.12150001	0.745	155.5
GSPL 160	0.18899715	0.049	436.58
GSPL 161	5.310647	22.262	585.8
GSPL 162	0.29700146	2.25	206.275
GSPL 163	0.030374558	2.11	155.475
GSPL 164	0	18.2	205.915
GSPL 165	0.026999905	0.139	308.1
GSPL 166	10.32966	81.23	734.4
GSPL 167	0.0027	1.023	155.475
GSPL 168	0.026999998	2.9	205.475
GSPL 169	0.013500155	62.701	310.97
GSPL 170	0.026999999	2.39	155.475
GSPL 171	1.35	17.3	438.76
GSPL 172	7.2721835	30.791	877.46
GSPL 173	7.110192	36.537	877.46
GSPL 174	0.081000002	3.11	207.995
GSPL 175	0.00135	0.015	101.5
GSPL 176	0.008100005	5.85	154.975
GSPL 177	0.13500012	0.05	154.975
GSPL 23-2	7.0271636	43.969	439.28

GSPL HP GAS GRID WITH COMP APRIL 23-24



Email

Re: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

From : MRAGANG SHEAKHAR <m.sheakhar@eil.co.in> Thu, Mar 21, 2024 07:23 PM

Subject : Re: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network 1 attachment

To : Technical Division PNGRB <e-technical@pngrb.gov.in>

Cc : JAYATI GHOSH <jayati.ghosh@eil.co.in>, HASMUKH K PARMAR <hk.parmar@eil.co.in>, ANSHU KUMAR <anshu.kumar@eil.co.in>, VAIBHAV VAIBHAV <vaibhav.srivastava@eil.co.in>, Anil Garg <garg.anil@pngrb.gov.in>, Muktikam Phukan <muktikamphukan@pngrb.gov.in>, Gagan Aggarwal <gaggarwal@pngrb.gov.in>, Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>, Voona Venkata Narendra <narendra.vv@pngrb.gov.in>

Dear Sir,

With regard to Entity observations received vide trailing mail, no change is envisaged for capacity of subject network and hence final study reports are attached for Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network.

Annexures : https://email.gov.in/home...riefcase/PNGRB%2001032024

Regards,

Mragang Sheakhar | Process-1| Engineers India Limited, P&I Building, Gurgaon
Ground Floor, Icom 3025, Mobile 9555438664

From: "MRAGANG SHEAKHAR" <m.sheakhar@eil.co.in>
To: "Technical Division PNGRB" <e-technical@pngrb.gov.in>
Cc: "JAYATI GHOSH" <jayati.ghosh@eil.co.in>, "HASMUKH K PARMAR" <hk.parmar@eil.co.in>, "ANSHU KUMAR" <anshu.kumar@eil.co.in>, "VAIBHAV VAIBHAV" <vaibhav.srivastava@eil.co.in>, "Anil Garg" <garg.anil@pngrb.gov.in>, "Muktikam Phukan" <muktikamphukan@pngrb.gov.in>, "Gagan Aggarwal" <gaggarwal@pngrb.gov.in>, "Yuvraj Singh Rathore" <yuvraj.rathore@pngrb.gov.in>, "Voona Venkata Narendra" <narendra.vv@pngrb.gov.in>
Sent: Tuesday, March 19, 2024 5:48:43 PM
Subject: Re: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

Dear Sir,

Pl. find below pointwise response to Entity observations.

Regards,
Mragang

- **GSPL Input**: In the multi-source pipeline system as is the case of GSPL grid, at entry point other than the first one (in GSPL case: PIL) EIL can only put contractual flow and pressure not the arithmetic mean or unlimited gas from all entry points as mentioned in EIL report. In line with same GSPL pipeline capacity cannot be more than what the entity has submitted on year on year basis.

  EIL Response : Capacity Assessment has been carried out as per step wise methodology of PNGRB regulation. Please note that for intermediate entry points PNGRB regulation for Capacity assessment does not mention usage of contractual pressure for the sources. Rather it mentions (refer point no 5.5 a(ii)) to "set the pressure as a fixed parameter corresponding to maximum allowable operating pressure (MAOP) " . with this consideration max pressure at each of exit points have been calculated and met as per contractual requirement. Also the regulation does not mention the contractual flow to be considered for additional sources. Hence we do not agree to GSPL observation.

- **GSPL Input** In case MAOP on single Entry Point is considered as per EIL report, then they have to keep contractual flows and pressures at all other sources.

  EIL Response : Refer reply of earlier point

- **GSPL Input:** Putting MAOP at more than one entry points may result in no gas supply from other one or more entry points that EIL must not have considered.

  EIL Response : EIL has worked on the capacity assessment based on the Regulation provision, which clearly mentions MAoP to be considered , further definition of MAoP has been followed as per clause 5.3. (a)(viii). It may be noted that no rerated MAOP has been provided by the entity.

- **GSPL Input:** Further, limiting pressure at exit points should be pressure required at the upstream of let-down system installed at that exit point and not the arithmetic mean of contractual pressure. Putting arithmetic mean of pressure at exit pressure may result in reduction in actual pressure available to that particular exit point.

  EIL Response : Required pressure has been considered at the upstream of let-down system installed at that exit point, hence we are in line with entity's observation. Further, the Clause 5 (5) (c) of PNGRB regulation allows using arithmetic mean of contractual pressure, for example

Customers	Contracted qty, (MMSCMD)	Contractual pressure, bar (g)	Arithmetic Mean, bar (g)
Cust 111	5.250	35 to 38.5	36.75
Cust 119	4.150	45 to 50	47.5

Hence the capacity assessment has been carried out in line with laid out procedure.

Email

RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

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From : rupesh@gspc.in Fri, Mar 15, 2024 12:43 PM

Subject : RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

To : Technical Division PNGRB <e-technical.pngrb@nic.in>

Cc : devendra@gspc.in, Secretary <secretary@pngrb.gov.in>, Anil Garg <garg.anil@pngrb.gov.in>, Gagan Aggarwal <gaggarwal@pngrb.gov.in>, radha@gspc.in, vinaykaul@gspc.in, Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>, Voona Venkata Narendra <narendra.vv@pngrb.gov.in>, shailendraram@gspc.in, chinmoy b <chinmoy.b@gspc.in>, vivek siddhapura <vivek.siddhapura@gspc.in>

Dear Sir,

We request you to kindly take into consideration the points highlighted vide our trailing mails. We request you to provide TGNet files of simulations run by M/s EIL for better understanding.

Regards
Rupesh

Email

Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

From : Technical Division PNGRB <e-technical@pngrb.gov.in> Wed, Mar 13, 2024 06:21 PM

Subject : Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

To : JAYATI GHOSH <jayati.ghosh@eil.co.in>

Cc : HASMUKH K PARMAR <hk.parmar@eil.co.in>, MRAGANG SHEAKHAR <m.sheakhar@eil.co.in>, ANSHU KUMAR <anshu.kumar@eil.co.in>, Anil Garg <garg.anil@pngrb.gov.in>, Muktikam Phukan <muktikamphukan@pngrb.gov.in>, Gagan Aggarwal <gaggarwal@pngrb.gov.in>, Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>, Voona Venkata Narendra <narendra.vv@pngrb.gov.in>

Reply To : Technical Division PNGRB <e-technical.pngrb@nic.in>

Dear Madam,

This has reference to updated reports on capacity assessment of the subject pipeline network and the meeting held on 26.02.2024 w.r.t review of the Capacity Assessment of the 06 Natural Gas Pipeline Networks.

As decided in the meeting the updated reports were shared with GSPL along with input/output files provided by EIL and GSPL was advised to submit its inputs on the updated report of the Capacity Assessment latest by 07.03.2024. Accordingly, GSPL has provided its inputs vide emails dated 06.03.2024 & 12.03.2024 which are enclosed as trailing mail(s).

In view of the above, EIL is hereby advised to review the inputs provided by GSPL and submit its reply to inputs of GSPL. Also, same may be annexed in the final report.

The Final report of the capacity assessment of GSPL HP Gas Grid NGPL network along with all Annexures shall be submitted to PNGRB by **18.03.2024** positively.

धन्यवाद और सादर | Thanks and Regards,

तकनीकी विभाग | Technical Division

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली -११० ००१
1st Floor, World Trade Center, Babar Road, New Delhi - 110 001

W: www.pngrb.gov.in
E: e-Technical@pngrb.gov.in

Email

RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

From : rupesh@gspc.in Tue, Mar 12, 2024 01:23 PM

Subject : RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

To : Technical Division PNGRB <e-technical.pngrb@nic.in>

Cc : devendra@gspc.in, Secretary <secretary@pngrb.gov.in>, Anil Garg <garg.anil@pngrb.gov.in>, Gagan Aggarwal <gaggarwal@pngrb.gov.in>, radha@gspc.in, vinaykaul@gspc.in, Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>, Voona Venkata Narendra <narendra.vv@pngrb.gov.in>, shailendraram@gspc.in, chinmoy b <chinmoy.b@gspc.in>, vivek siddhapura <vivek.siddhapura@gspc.in>

Dear Sir,

Please note that GSPL has followed the regulations in determining the capacity and the same was discussed over various meetings. However we are not agreeable to the higher capacity proposed by EIL since it doesnot follow the regulations in entirety. Following points may please be noted regarding capacity determined for GSPL by EIL:

- In the multi-source pipeline system as is the case of GSPL grid, at entry point other than the first one (in GSPL case: PIL) EIL can only put contractual flow and pressure not the arithmetic mean or unlimited gas from all entry points as mentioned in EIL report. In line with same GSPL pipeline capacity cannot be more than what the entity has submitted on year on year basis.

- In case MAOP on single Entry Point is considered as per EIL report, then they have to keep contractual flows and pressures at all other sources.

- Putting MAOP at more than one entry points may result in no gas supply from other one or more entry points that EIL must not have considered.

- Further, limiting pressure at exit points should be pressure required at the upstream of let-down system installed at that exit point and not the arithmetic mean of contractual pressure. Putting arithmetic mean of pressure at exit pressure may result in reduction in actual pressure available to that particular exit point.

We request you to kindly intervene and ensure that points which have been highlighted by GSPL in the past and as in the above are considered for correct capacity determination.

Regards
Rupesh Shah

From: Technical Division PNGRB <e-technical@pngrb.gov.in>
Sent: Monday, March 11, 2024 2:37 PM
To: devendra@gspc.in; rupesh@gspc.in
Cc: Secretary <secretary@pngrb.gov.in>; Anil Garg <garg.anil@pngrb.gov.in>; Gagan Aggarwal <gaggarwal@pngrb.gov.in>; vinaykaul@gspc.in; Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>; Voona Venkata Narendra <narendra.vv@pngrb.gov.in>
Subject: Re: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

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This has reference to trailing mails(s).

We acknowledge the comments/inputs provided by GSPL.

As GSPL has not submitted any specific inputs to the EIL's Capacity Assessment draft report for the subject NGPL network, we are going ahead with the report for its finalization.

धन्यवाद और सादर | Thanks and Regards,

तकनीकी विभाग | Technical Division

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली -११० ००१
1st Floor, World Trade Center, Babar Road, New Delhi - 110 001

W: **www.pngrb.gov.in**
E: **e-Technical@pngrb.gov.in**
D: **011-23457741**

From: rupesh@gspc.in
To: "Technical Division PNGRB" <e-technical@pngrb.gov.in>
Cc: "Secretary" <secretary@pngrb.gov.in>, devendra@gspc.in, "Anil Garg" <garg.anil@pngrb.gov.in>, "Gagan Aggarwal" <gaggarwal@pngrb.gov.in>, vinaykaul@gspc.in, "chinmoy b" <chinmoy.b@gspc.in>, "vivek siddhapura" <vivek.siddhapura@gspc.in>, "Yuvraj Singh Rathore" <yuvraj.rathore@pngrb.gov.in>, "Voona Venkata Narendra" <narendra.vv@pngrb.gov.in>, shailendraram@gspc.in
Sent: Wednesday, March 6, 2024 4:45:22 PM
Subject: RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

Dear Sir,

The matter was discussed by our Technical team with PNGRB team.

We would like to highlight that complete exercise of capacity determination has been discussed in depth and finalized during various interactions. However, the draft report

demonstrates change in capacity by M/s EIL considering different assumptions. In the submitted report it is observed that arithmetic mean of contractual pressures are rounded up and considered for entry and exit points, however GSPL has considered contractual pressures and flows as stated in regulation.

We would once again like to state that GSPL has submitted capacity in line with PNGRB regulations. We request you to consider the submissions made by GSPL as final or we request you to provide TGNet files of simulations run by M/s EIL for better understanding.

Regards
Rupesh

From: Technical Division PNGRB <e-technical@pngrb.gov.in>
Sent: Saturday, March 2, 2024 3:56 PM
To: devendra@gspc.in
Cc: rupesh@gspc.in; Secretary <secretary@pngrb.gov.in>; Anil Garg <garg.anil@pngrb.gov.in>; Gagan Aggarwal <gaggarwal@pngrb.gov.in>; Yuvraj Singh Rathore <yuvraj.rathore@pngrb.gov.in>; Voona Venkata Narendra <narendra.vv@pngrb.gov.in>
Subject: Re: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

This mail has been sent from an external source. Please treat hyperlinks and attachments in this mail with caution
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Sir,

This is in furtherance to the trailing mail. The input/output datasheet for capacity assessed of EIL is being forwarded for your perusal.

You are advised to provide your inputs (as per Email dated 26.02.2024) latest by 07.03.2024 for GSPL HP Grid NGPL network. In absence of any inputs by 07.03.2024, it will be presumed that you have no inputs w.r.t Capacity Assessment Report of EIL and same may be considered as final report towards capacity assessment.

धन्यवाद और सादर | Thanks and Regards,

तकनीकी विभाग | Technical Division

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली -११० ००१
1st Floor, World Trade Center, Babar Road, New Delhi - 110 001

From: Rupesh Shah rupesh@gspc.in
Sent: Thursday, February 29, 2024 2:31 PM
To: Gagan Aggarwal gaggarwal@pngrb.gov.in
Cc: devendra@gspc.in; Secretary secretary@pngrb.gov.in; vinay kaul vinaykaul@gspc.in; Chinmoy Bhattacharya chinmoy.b@gspc.in; Vivek Siddhapura vivek.siddhapura@gspc.in; shailendra ram shailendraram@gspc.in; Anil Garg garg.anil@pngrb.gov.in; Yuvraj Singh

Rathore yuvraj.rathore@pngrb.gov.in; Voona Venkata Narendra narendra.vv@pngrb.gov.in; Vivek Singh vivek.s@gspc.in
Subject: RE: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

Dear Sir,

As per trailing mails of 26.02.2024 and 27.02.2024, please find our comments on the points mentioned in your email.

1. Verification of data/details considered by EIL in its assessment.
   GSPL INPUT: The Document does not contain specified inputs required for new TGNet file generation, different assumptions will give different results. Therefore you are requested to provide year wise TGnet files prepared by EIL that have given different results than the ones submitted by GSPL.

2. Difference between methodology adopted by EIL and GSPL, in line with the existing provisions of PNGRB (Determining Capacity of Petroleum, Petroleum Products and Natural Gas Pipeline) Regulations, 2010 for assessment of the capacity of the GSPL HP Gas Grid NGPL network
   GSPL INPUT: There is no possible way for GSPL to verify the methodology adopted by EIL without the TGnet files of all years in which the methodology has been executed.

In view of the above GSPL inputs, we earnestly request PNGRB to arrange to provide us with the requisite data so that the entity understands and learns from board's approach to capacity determination for providing meaningful comments as per entity's understanding. We hope you will consider our request in good faith and ensure that we are provided with requested details by EIL.

Regards
Rupesh Shah, GSPL

From: "Technical Division PNGRB" <e-technical@pngrb.gov.in>
To: devendra@gspc.in
Cc: rupesh@gspc.in, "Secretary" <secretary@pngrb.gov.in>, "Anil Garg" <garg.anil@pngrb.gov.in>, "Gagan Aggarwal" <gaggarwal@pngrb.gov.in>, "Yuvraj Singh Rathore" <yuvraj.rathore@pngrb.gov.in>, "Voona Venkata Narendra" <narendra.vv@pngrb.gov.in>
Sent: Monday, February 26, 2024 5:48:37 PM
Subject: Capacity Assessment of GSPL HP Gas Grid Natural Gas Pipeline network

Sir,

Based on inputs from GSPL, EIL has submitted the reports of Capacity Assessment of GSPL HP Gas Natural Gas Pipeline network (Copy enclosed and annexures of the report has been shared through One Drive link).
You may like to see the same and offer your inputs on the following:

1. Verification of data/details considered by EIL in its assessment.
2. Difference between methodology adopted by EIL and GSPL, in line with the existing provisions of PNGRB (Determining Capacity of Petroleum, Petroleum Products and Natural Gas Pipeline) Regulations, 2010 for assessment of the capacity of the GSPL HP Gas Grid NGPL network.

You are advised to submit the same by **29.02.2024** positively.

धन्यवाद और सादर | Thanks and Regards,

तकनीकी विभाग | Technical Division

पेट्रोलियम एवं प्राकृतिक गैस विनियामक बोर्ड
Petroleum and Natural Gas Regulatory Board
प्रथम-तल, वर्ल्ड ट्रेड सेंटर, बाबर रोड, नई दिल्ली -११० ००१
1st Floor, World Trade Center, Babar Road, New Delhi - 110 001

W: **www.pngrb.gov.in**
E: **e-Technical@pngrb.gov.in**
D: **011-23457741**

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